



PTO/SB/08A (10-01)  
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | Application Number       | 10/808,914             |          |
|   |   |    | Filing Date              | 03-25-2004             |          |
|   |   |    | First Named Inventor     | Clifton Lind           |          |
|   |   |    | Art Unit                 | Unknown                |          |
|   |   |    | Examiner Name            | Unknown                |          |
| Sheet   | 1 | of | 1                        | Attorney Docket Number | 988.1071 |

| U.S. PATENT DOCUMENTS          |                       |  |                                |  |   |
|--------------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials <sup>2</sup> | Cite No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                                |                       | Number - Kind Code <sup>3</sup> (if known) |                                |  |   |
| JS                             |                       | US- 4,798,387                              | 01-17-1989                     | Richardson   |   |
|                                |                       | US- 4,848,771                              | 07-18-1989                     | Richardson   |   |
|                                |                       | US- 5,007,649                              | 04-16-1991                     | Richardson   |   |
|                                |                       | US- 4,747,600                              | 05-31-1988                     | Richardson   |   |
|                                |                       | US- 4,365,810                              | 12-28-1982                     | Richardson   |   |
|                                |                       | US-  |                                |  |   |
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| Examiner Signature | Jason Staamp | Date Considered | 2-1-05 |
|--------------------|--------------|-----------------|--------|

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|   |   |    |   | Examiner Name            | Unknown      |
| Sheet   | 1 | of | 4 | Attorney Docket Number   | 988,1071     |

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|                       |              | Number - Kind Code² (if known) |                                |  |   |
| JF                    |              | us- 4,494,197                  | 01-15-85                       | Seymour Troy et al.                                |   |
|                       |              | us- 4,909,516                  | 03-20-90                       | Alfred P. Kolinsky                                 |   |
|                       |              | us- 5,265,874                  | 11-30-93                       | Peter D. Dickinson et al.                          |   |
|                       |              | us- 5,265,880                  | 11-30-93                       | Peter A. Maksymec                                  |   |
|                       |              | us- 5,297,802                  | 03-29-94                       | Terrence Pocock et al.                             |   |
|                       |              | us- 5,324,035                  | 06-28-94                       | Earl D. Morris et al.                              |   |
|                       |              | us- 5,518,253                  | 05-21-96                       | Terrence Pocock et al.                             |   |
|                       |              | us- 5,569,083                  | 10-29-96                       | Philip R. Fioretti                                 |   |
|                       |              | us- 5,674,128                  | 10-7-97                        | Niels C. Holch et al.                              |   |
|                       |              | us- 5,679,077                  | 10-21-97                       | Terrence Pocock et al.                             |   |
|                       |              | us- 5,800,269                  | 09-01-98                       | Niels C. Holch et al.                              |   |
|                       |              | us- 5,857,911                  | 01-12-99                       | Phillip R. Fioretti et al.                         |   |
|                       |              | us- 5,951,396                  | 09-14-99                       | Saleem Tawil                                       |   |
|                       |              | us- 6,089,982                  | 07-18-00                       | Niels C. Holch et al.                              |   |
|                       | JF           |                                | us- 6,186,892 B1               | 02-13-01   | Alan Frank et al  |
|                       |              | us- 6,280,325 B1               | 08-28-01                       | Michael G. Fisk                                    |   |
|                       |              | us- 6,280,328 B1               | 08-28-01                       | Niels C. Holch et al.                              |   |
|                       |              | us- 5,941,771                  | 08-24-99                       | T.E. Haste, III                                    |   |
|                       |              | us- 5,595,538                  | 01-21-97                       | T.E. Haste, III                                    |   |
|                       |              | us- 5,580,311                  | 12-03-96                       | T.E. Haste, III                                    |   |

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| Examiner<br>Signature | Jason Skaarup | Date<br>Considered | 2-1-05 |
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Sheet 2 of 4

|                        |              |
|------------------------|--------------|
| Application Number     | 10/808,914   |
| Filing Date            | 03-25-2004   |
| First Named Inventor   | Clifton Lind |
| Art Unit               | Unknown      |
| Examiner Name          | Unknown      |
| Attorney Docket Number | 988.1071     |

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|-----------------------------------|--------------------------|--|--------------------------------|--|---|
|                                   |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| JS                                |                          | us- 4,373,726                              | 02-15-1983                     | R.W. Churchill                                     |   |
|                                   |                          | us- 4,760,527                              | 07-26-1988                     | J.D.H. Sidley                                      |   |
|                                   |                          | us- 4,856,787                              | 08-15-1989                     | B. Itkis   |   |
|                                   |                          | us- 4,926,327                              | 05-15-1990                     | J.D.H. Sidley                                      |   |
|                                   |                          | us- 5,586,937                              | 12-24-1996                     | J. Menashe   |   |
|                                   |                          | us- 5,704,835                              | 01-06-1998                     | M.J. Dietz, II                                     |   |
|                                   |                          | us- 5,709,603                              | 01-20-1998                     | P. Kaye  |   |
|                                   |                          | us- 5,770,533                              | 06-23-1998                     | J.E. Franchi                                       |   |
|                                   |                          | us- 5,833,540                              | 11-10-1998                     | R. L. Miodunski, et al.                            |   |
|                                   |                          | us- 5,871,398                              | 02-16-1999                     | B. Schneier, et al.                                |   |
|                                   |                          | us- 5,954,583                              | 09-21-1999                     | G.A. Green   |   |
|                                   |                          | us- 5,984,779                              | 11-16-1999                     | J. Bridgeman, et al.                               |   |
|                                   |                          | us- 6,024,640                              | 02-15-2000                     | J. Walker, et al.                                  |   |
|                                   |                          | us- 6,068,552                              | 05-30-2000                     | J.S. Walker, et al.                                |   |
|                                   |                          | us- 6,126,542                              | 10-03-2000                     | R.B. Fier  |   |
|                                   |                          | us- 6,203,427 B1                           | 03-20-2001                     | J. S. Walker, et al.                               |   |
|                                   |                          | us- 6,227,972 B1                           | 05-08-2001                     | J.S. Walker, et al.                                |   |
|                                   |                          | us- 6,244,957 B1                           | 06-12-2001                     | J.S. Walker, et al.                                |   |
|                                   |                          | us- 6,273,820 B1                           | 08-14-2001                     | T.E. Haste, III                                    |   |
|                                   |                          | us- 6,306,038 B1                           | 10-23-2001                     | G. T. Graves, et al.                               |   |

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Jason Skaump

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|   |   | First Named Inventor     | Clifton Lind |
|   |   | Art Unit                 | Unknown      |
|   |   | Examiner Name            | Unknown      |
| Sheet   | 3 | of                       | 4            |
|   |   | Attorney Docket Number   | 988.1071     |

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|                                |                       | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| JS                             |                       | US- 4,652,998                              | 03-24-1987                     | J.R. Koza  |   |
|                                |                       | US- 6,056,289                              | 05-02-2000                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 5,928,082                              | 07-27-1999                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 5,810,664                              | 09-22-1998                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 5,749,784                              | 05-12-1998                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 5,645,485                              | 07-08-1997                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 5,609,337                              | 03-11-1997                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 5,536,008                              | 07-16-1996                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 5,487,544                              | 01-30-1996                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 5,980,385                              | 11-09-1999                     | R.C. Clapper, Jr.                                  |   |
|                                |                       | US- 6,319,122 B1                           | 11-20-2001                     | J.M.J. Packes, Jr., et al.                         |   |
|                                |                       | US- 5,588,913                              | 12-31-1996                     | Allen R. Hecht                                     |   |
|                                |                       | US- 4,140,320                              | 02-1979                        | Richard A. Cortimilia                              |   |
|                                |                       | US- 6,322,446                              | 11-2001                        | Michael W. Yacenda                                 |   |
|                                | JS                    |  | US- 5,193,815                  | 03-1993  | Gordon Pollard  |
|                                |                       | US-  |                                |  |   |
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|  |   |    |   | Examiner Name            | Unknown      |
|  |   |    |   | Attorney Docket Number   | 988.1071     |
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